

***Camaena abbasi*, a new species (Gastropoda: Camaenidae) from Indonesia**

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ABSTRACT A new species of the genus *Camaena* Albers, 1850 is described from Popidolong, South East Peleng Island, East Sulawesi, Indonesia and is compared to four other species of this genus: *Camaena gabriella* f. *subhainensis* (Pilsbry, 1890); *Camaena gabriellae* var. *platytenia* Dautzenberg & Fischer, 1908; *Camaena duporti* (Bavay & Dautzenberg, 1900); and *Camaena sakishimana* Kuroda, 1960. It is characterized by a slightly flat base with a concave umbilical area and not reflected outer lip.

KEYWORDS Gastropoda, Helicoidea, Camaenidae, *Camaena*, Popidolong, South East Peleng island, East Sulawesi, Indonesia, new taxon.

INTRODUCTION The genus *Camaena* Albers, 1850 belongs to the family Camaenidae and many species of this family are native to Indonesia. In July of 2008, a new camaenid was found that was not listed in the works by Dharma (2005), Parkinson *et al.* (1987), Abbott (1989) and Stanisc *et al.* (2010). It is here described as new to science.

SYSTEMATICS

Class Gastropoda Cuvier, 1797

Superfamily Helicoidea Rafinesque, 1815

Family Camaenidae Pilsbry, 1895

Genus *Camaena* Albers, 1850

Type species: *Helix cicatricosa* Müller, 1774, subsequent designation by Martens in Albers, 1860

Abbreviations:

ANSP	Academy of Natural Sciences of Drexel University, Philadelphia, USA
MNHN	Muséum National d'Histoire Naturelle, Paris, France
NNT	Collection Dr Thach
RMNH	Rotterdam Museum of Natural History
JA	Collection John Abbas
AL	Aperture length
SH	Shell height
SW	Shell width

***Camaena abbasi* n. sp.**

Figures 1-8

Description:

Shell medium-sized for the genus (33-35mm in average adult width), heliciform, dextral, and longer in width than in height, 65.6% shell width, see Table 1 with measurements on five specimens. Spire with variable heights, sutures impressed. Body whorl moderately inflated, periphery with a narrow spiral keel. Sculpture consisting of numerous closely-spaced axial riblets. Aperture semilunate with a length 53.8% of the shell width, outer lip slightly thick, usually angulate and not reflected. Base slightly flat and weakly sculptured, umbilicus small

open but partly covered by columella. Color variable (yellowish, whitish, brown or black) with white spiral band at suture and periphery.

Type material:

Holotype 35.3 mm wide in ANSP (Figs.1,2). Paratypes: all from type locality, Paratype 1: 34.6 mm wide in MNHN (Fig.3,4), Paratype 2: 34.7 mm wide in JA (Fig.6,7), Paratype 3: 32.9 mm wide in NNT (Fig.5), Paratype 4: 34.6 mm wide in JA (No 8).

Type locality:

Popidolong, South East Peleng island, East Sulawesi, Indonesia.

Range and habitat:

The type specimens were collected on vine thickets and known only from type locality.

Etymology:

This new species is named in honor of Mr. John Abbas of Hawaii (USA) for providing the type material that he collected on Peleng Island.

DISCUSSION

• *Camaena abbasi* n.sp. is close to *Camaena gabriella* f. *subhainensis* (Pilsbry, 1890) (Figure 12) but differing in less inflated whorls, smaller adult size, slightly flat base, not reflected outer lip and presence of a narrow keel at the periphery.

• *Camaena abbasi* differs mainly from *Camaena gabriellae* var. *platytenia* Dautzenberg & Fisher, 1908 (Figures 9, 11a) in less swollen body whorl, smaller adult size, smoother exterior surface, slightly flat base, not reflected outer lip, presence of a narrow spiral keel and white (not dark brown) spiral band at the periphery.

• *Camaena abbasi* differs mainly from *Camaena duporti* (Bavay & Dautzenberg, 1900) (Figure 11b) in much smaller umbilicus, less inflated body whorl, not reflected and much thinner outer lip and presence of a narrow spiral keel at the periphery.

Table 1. Mean SH/SW and AL/SW of *Camaena abbasi* n.sp.

Specimen	SW (mm)	SH (mm)	SH/SW	Mean SH/SW	AL (mm)	AL/SW	Mean AL/SW
1	35.3	23.0	0.652	0.656 (65.6%)	18.4	0.521	0.538 (53.8%)
2	34.6	21.0	0.607		19.3	0.558	
3	34.7	21.3	0.614		18.9	0.545	
4	32.9	22.0	0.669		17.6	0.535	
5	34.6	25.6	0.740		18.3	0.529	

• *Camaena abbasi* differs mainly from *Camaena sakishimana* Kuroda, 1960 (Figure 10) in larger adult size, slightly flat base, much smaller umbilicus, not sharply angulate periphery, not calloused outer lip and an opaque aperture.

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Website of Rotterdam Museum of Natural History <http://www.nmr-pics.nl/>

Website of Philippe & Guido Poppe
<http://www.conchology.be/>



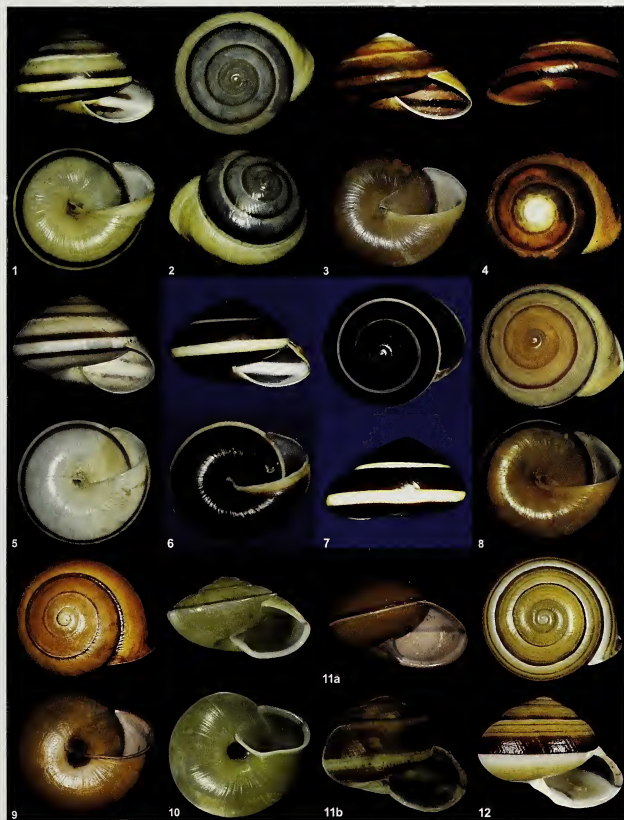
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Figures 1-8: *Camaena abbasi* n.sp., Peleng Island, Indonesia - 1,2: Holotype 35.3 mm, ANSP- 3,4.; Paratype 1: 34.6 mm, MNHN- 5: Paratype 3, 32.9 mm, NNT- 6,7; Paratype 2: 34.7mm, JA- 8: Paratype 4: 34.6mm, JA- 9,11a: *Camaena gabriellae* var. *platytania* Dautzenberg & Fisher, 1908, 37.5 mm- 10: *Camaena sakishimana* Kuroda, 1960, 17mm photo of Bishogai Data Base- 11b: *Camaena duporti* Bavay&Dautzenberg, 1908, 52 mm, photo of Rotterdam Museum of Natural History- 12: *Camaena gabriella* f. *subhainensis* (Pilsbry, 1890) 36.9 mm, photo of P. & G. Poppe, 2014.